DXpedition News

Navassa - KP1 Some of the members of the postponed South Georgia/South Sandwich DXpedition will operate as **W5IJU/KP1** (NA-98) for 10 days in late March and early April, including the WPX SSB test. Usual DX frequencies, all bands and modes. More details to follow later.

Malyj Vysotskij Island - 4J A multi-national team including Boris UA3WA and OH2BU will operate from M-V Island in Spring, 1991, including the low-bands. Stay tuned for exact timing and other details.

Belize - V3 Jim Nash K4HMS will operate as **V31AW** Dec. 26-Jan. 1, CW only, Try 14025 and 7005 kHz. QSL home call.

Belize - V3 Father and Son W4PGX and KB4VHW will be active as **V31JW** and **V31JV** Dec. 18-23, concentrating on the low bands and RTTY. 3505, 3795, 7025, 14025 and 85 kHz up on RTTY. QSL N4RNR.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Marianas - KHØ Mine Sugiyama **AHØF** (JA2NQC) and Shin Takagi **KHØ/JA2SWJ** will be active Jan. 2-6, especially on 160-40 meters. Try 1824 kHz for Europe, and 1826 kHz for everyone else. Catch them on the higher bands to make schedules on 160. QSL home calls, JA2NQG asks for direct only, please.

Kampuchea - XU Japan DX News reports that N9KAU (JF3NRI) and 9V1YC will be active **XU8??** Dec. 13-20, SSB, CW, RTTY, and the new bands. QSL to JA1NUT.

Barbados - 8P G3VBL will sign **8P9EM** to January 1, on all bands, CW and SSB. He threatens to swing the beam at Japan if the European pile-ups become too unruly! QSL home call. (Thanks DX News Sheet.)

Cayman Islands - ZF Bruce Frahm KØBJ will be active as **ZF2NJ** Jan. 19-Feb. 2. Mostly 10-20 meter CW, and some SSB. QSL to Box DX, Colby KS 67701.

Shortly Noted

- **Jacky F2CW** starts a six-month tour of duty in Afghanistan for the French Red Cross on Jan. 19. He does **not** have a license yet, but is hopeful, considering that Romeo UB5JBB obtained one.
- **T22KY** is Kiyoko on yet another stop of my multi-nation Pacific tour. Try 21303 and 28475 kHz 22-0300Z. QSL to Box 3, Tokaimura 31911, Japan.
- Olavi **CT3DJ** is active until April, on all bands, including 6 meters. QSL direct or via the bureau to OH2SX. (DXNS)
- **UA1DZ**, the top-ranked contester in the USSR, and a recent visitor to the US for the Goodwill Games, recently passed away.
- **A22GH** is Gerry G3KMQ, who will be in Botswana for 2-3 years. QSL via the bureau. (Thanks LNDX.)
- **5R8GN** is the callsign of IK2GNW for one week, beginning Dec. 29, according to Jim Smith VK9NS. Before that operation, he will be active as **S79GN** Dec. 19-26.
- **FR5ZU/G** is expected on from Glorioso this month. Try 14256 kHz at 0300Z.
- **Oblasts:** Oleg M. Mir ES1RA (ex-UR3RA) will operate from several rare oblasts early in 1991. Listen for ES1RA/**UM1M, /UM2Q, /UM3N, /UI4O** and **/UI5F**. QSL direct to Box 806, Tallinn 200027, Estonia USSR.
- **Germany in CQWW**: Ignore the report in Issue 566 that both Germanies will be accepted in the CQWW CW test. Larry N6AR had incorrect information. The **real facts** are two German multipliers in the SSB test, and only one in the CW. The CQWW Contest Committee will remove Y2-9 multipliers from CW scores, if claimed.
- **SSB net** check-ins: **14222 kHz**: UI9BWF 4S7EF; **14227**: Z21HD C53GH 3B8CF 5V7SA; **14243**: 5V7SA 5N8ZHN; **14256**: 5T5HH; **21335**: OD5MM ZC4BS UF6FHI D44BS 5T5/N5JRC AP2JZB 5V7DP.
- **The DXCC backlog** has been reduced to 4,412 pending as of Dec. 2. The numerous ARRL Hq. working on the project are processing new DXCC applications received in mid-August, and endorsement requests from early June.
- **The Colvins** report that they made 5,000 QSOs from Mozambique as **C9QL**, thanks to the help of five women who helped them get licensed and on the air. They are due to wrap up their **ZS9/W6KG** Walvis Bay operation soon. Listen for a station signing something-QL from southern Africa. QSL Yasme.
- **Islands On The Air**: **WF1N** will be active from Martha's Vineyard (NA-46) April 12-15, on RTTY and SSB. QSL to WF1N (or Tony's old call: KA1HBV.) **ZLØAAF** is operating from Swan Base on Belleny Island (AN-??). **VE7FEI** on (NA-75) has checked into the 14222 kHz net at 01Z. **SM1ALH** is on Gotland Is. (EU-20); try 21257 kHz at 17Z.
- **RTTY Report**: **VP8BFH** on the Falklands has been very active; try 21092 kHz at 23-0100Z. Other recently reported stations: **P29BT** 14085 0650Z; **TA3IIA** 28088 1515Z; **TF3J** 28085 1600Z; **5Z4BI** 21090 2020Z; **3X1SG** 21084 2230Z; **9X5LJ** 14073 ARQ 2115Z; **OX3EW** 14085 2350Z; **6W1HF** 21097 0850Z; **9J2BO** 21087 0930Z; **VK9NS** 14090 1215Z; **5H3NL** 21086 1315Z; **9Q5BG** 14093 1630Z; **TY1PS** 21074 ARQ 2130Z; and **TR8JH** 21072 FEC 2200Z.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before				55 Days Before			
December 1990	Date	Flux	A	K	Date	Flux	A	K
14 High Normal	11/17	223	16/16	3	10/20	200	19/20	3
15 High Normal	11/18	203	12/16	3	10/21	187	10/13	2
16 High Normal	11/19	196	08/09	2	10/22	169	10/10	2
17 Above Normal	11/20	190	06/06	1	10/23	164	09/09	3
18 High Normal	11/21	182	09/08	1	10/24	157	22/23	3
19 Above Normal	11/22	181	01/04	2	10/25	163	10/10	3
20 Above Normal	11/23	176	03/05	0	10/26	154	07/07	2
21 High Normal	11/24	171	01/05	0	10/27	164	06/08	2
22 High Normal	11/25	167	04/05	1	10/28	152	03/05	1
23 High Normal	11/26	157	08/09	1	10/29	156	07/08	3
24 Disturbed	11/27	157	29/33	4	10/30	154	20/15	2
25 High Normal	11/28	170	14/15	4	10/31	143	21/21	3
26 Above Normal	11/29	165	03/05	2	11/01	145	06/07	1
27 High Normal	11/30	165	07/08	2	11/02	140	09/08	2

Propagation Watch

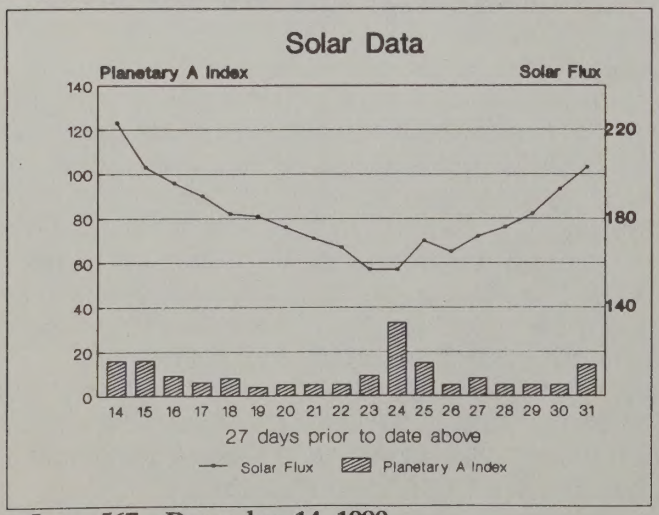
Propagation continues to be excellent, on all bands. The sun continues its regular, 27.5-day pattern of activity. Solar flux remains quite high, with the last flux peak above 230. And the numerous sunspot regions have not produced any band-disrupting flares.

With flux levels well above 200, 10, 12, and 15 meters open very soon after local sunrise, and stay open throughout the day. Since the maximum useable frequency (MUF) is not far above 30 MHz, signal strengths remain high. The only thing missing is the very long haul DX on the higher bands.

The relatively quiet geomagnetic field has meant good polar propagation, and excellent long-path openings on 80-20 meters. The planetary K index seldom rose to 4 or more over the past weeks, a good indicator of low-band and long-path DX possibilities. The long nights in the Northern hemisphere and lack of QRN-producing storms has given low-band DXers some of the best openings they have had in the past year. DXers should make note of the K index, which is up-dated every three hours. If the K index is 1 or 0, check out the low bands!

Will this excellent propagation continue? Although the sun may produce a surprise at any time, the forecast is for more of the same. Solar activity should drop to the 150 range in the next 10 days, before beginning to rise again in early 1991. Lower solar activity lessens the odds of a major flare. Good hunting!

Publishing Note: There will be no Issue of *The DX Bulletin* the week of Dec. 28. Issue 569 is dated Jan. 4.



Regulars

▪ **Asiatic RSFSR**	UA9UCO	3502	11-1500Z
▪ **Botswana**	A22GH	28020±	14-1900Z
▪ **China**	BY4RB	21027	0000Z
▪ **Dodecanese**	SV5TS	28525	1300Z
▪ **Easter Island**	CEØFFD	28010	18-2300Z
▪ **Equatorial Guinea**	3C1EA	7001	23, 0520Z
▪ **Faroes**	OY9JD	28490	1730Z
▪ **Franz Josef Land**	4K2OIL	14023	21-0100Z
▪ **Franz Josef Land**	4K2OIL	7002	0230Z
▪ **Franz Josef Land**	4K2PGO	21230±	1800Z
▪ **Franz Josef Land**	4K2BDU	14004	1800Z
▪ **Guantanamo Bay**	KG4DD	10M CW	1500Z
▪ **Lebanon**	OD5QX	28500±	1400Z
▪ **Lord Howe Island**	VK9LE	7003	1200Z
▪ **Mauritius**	3B8FK	14020±	0230Z
▪ **Mauritius**	3B8CF	14260	0200Z
▪ **Minami Torishima**	JD1/JH1MAO	28465±	22-2300Z
▪ **Mongolia**	JT1BG	14192	0200Z
▪ **Namibia**	V51BG	20M SSB	0300Z Sat.
▪ **Norfolk Island**	VK9NS	28495	2245Z
▪ **Pitcairn Island**	VR6BX	10M SSB	17-2400Z
▪ **Qatar**	A71CD	10M SSB	1300Z
▪ **San Andres**	HKØHEU	28495	1330Z
▪ **South Shetlands**	HFØPOL	14218±	0300Z
▪ **Sri Lanka**	4S7EA	14195±	0130Z
▪ **St. Pierre & Miquelon**	FP5DX	10103	2100Z
▪ **Taiwan**	BV2DA	28010	2345Z
▪ **Turkey**	TA5C	10M SSB	1400Z
▪ **United Arab Emirates**	A61AD	28470±	1215Z
▪ **Uzbekistan**	UI9BWF	10M SSB	1230Z
▪ **Vatican**	HV3SJ	28490±	1330Z
▪ **Walvis Bay**	ZS9/W6KG	14020/21015±	1930Z
▪ **Western Sahara**	SØ1A	7004	2300Z
▪ **Zone 29**	VK6LK	3797	2100Z

CW Worked All Zones

CQ Magazine is adding a new award to their Worked All Zones series: the CW WAZ. Previously, the Mixed Mode WAZ award has been endorsable for CW, but the CW-only award is new. The usual WAZ award rules apply, but only contacts on or after **January 1, 1991** count for the CW WAZ. This means some DXers will start their WAZ chase anew, beginning the first of the year. As with the Golden Jubilee DXCC award, *The DX Bulletin* will make a race of this opportunity, and award a special trophy to the first *The DX Bulletin* reader to work all 40 CQ zones on CW in 1991. Send your list of 40 QSOs (no QSLs required) to Box 50, Fulton CA 95439 as soon as possible. (It took 48 hours for W6GO to work DXCC in 1987; how long will it take the first reader to WAZ in 1991?)

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AA6WJ, AA6WJ, AA7FM, AB8K, AC5K, DA2AA, DXNS, JA2NQG, Japan DX News, K1RH, K1TG, K2AJY, K2LE, K2OLG, K3ZPG, K4GLU, K4HMS, K4II, K4LNA, K6FD, K6IR, K6LEB, K6MJ, KA1MUY, KA1NCN, KA7T, KA7T, KØBJ, KØCVD, KD7SO, KF6HI, KG4O, KI6YB, KM4KJ, KM9J, KØPP, KR2Q, LNDX, N4XLF, N6WQH, N8AGU, NK9C, NX1G, NY5L, NY5L, VE1RJ, VE1YX, VE3NN, VK9NS, W1AM, W1AW, W1BFT, W1CNU, W1FV, W1NH, W4PGX, W4VQ, W5IJU, W6JOX, W6KG, W6OAT, W6RFF, W6UQF, W7AWA, W7ZRC, W9MCJ, WA1NPZ, WA2MZX, WA2MZX, WA2VKS, WA4NST, WA9AQE, WB2UZR, WB5MTV, WB8SFF, WB8YJF, WB8ZRL, WB9Z, WC6I, WØJRN, WO6R, and WY2V. Many Thanks!

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

BV2B	14089	0340	2	CA
BZ4RC	21087	0130	5	CA
CT3BX	14085	0130	29	OH
EA6ZP	21088	1615	1	OH
EA8ATE	21086	1640	1	CA
EA8AXQ	14096	0117	5	ID
EA8HZ	21088	1615	1	OH
LX1OM	21082	1440	2	MN
OX3EW	14085	0130	4	OH
PJ8DFS	21079	2022	1	CA
SV1ATS	28084	1445	2	MN
UC2OCJ	28087	1500	2	MN
UWØLZ	21087	0001	7	CA
UZ3AYR	14092	1500	3	ID
V51P	21084	2215	30	CA
V73BN	21085	0052	7	CA
VP8BFH	21093	2310	30	MI
XU1DK	28086	2330	3	CA
ZB2JB	21090	1620	1	OH
ZD8BOB	21088	1600	1	OH

160 Meters

EA9IE	1844	0550	4	IL
HI8A	1832	0332	4	FL
V47KP	1845	0320	27	WA
V73AZ	1832	1125	22	NH
VP2VI	1832	0712	27	WA
ZS4PB	1838	0325	27	WA

80 Meters

3C1EA	3503	2218	22	NB
4U1ITU	3524	2510	3	NH
8Q7AJ *	3501	1303	2	IL
DU3/ K4SXT	3500	1136	29	MA
EA9EU	3506	0656	25	CT
EKØRR	3501	0315	2	FL
ES4AA	3503	0032	3	FL
HP1XBH	3505	0155	5	FL
HR1LW	3502	1130	1	NH
KH6CF	3503	1105	2	NH
UAØFM	3507	1141	3	MA
UA9UCO *	3505	1210	2	MA
UC2SAU	3519	0314	2	FL
UI8BAA	3503	1235	19	IA
UL7GCC	3502	0227	2	MA
UL7JW *	3507	1134	2	MA
UM8MAA *	3506	1148	28	MA
VK6LW	3505	1315	4	IA
VP2EXX	3507	2359	3	NH
XU1DK	3503	1445	1	ID

75 Meters

6Y5IC	3796	0541	30	ON
HKØNZI	3796	0333	26	MA
OY9JD	3788	0017	2	MA
T77V	3788	0254	25	MA
VK6LK	3797	2105	3	NY
VP2EXX	3792	0535	2	CT
ZS4PB	3795	0337	26	MA

40 Meters

3C1EA	7000	0520	30	OR
3C1EA	7003	2300	3	TX
3W4DX	7001	1500	7	CA
4K2OIL	7001	0225	5	OH
4K4QQ	7009	1539	7	CA
4U1ITU	7001	2308	29	MD
7X2AN	7002	0110	30	IA
9M2AX	7004	1115	29	IA
BY5RCS	7003	1457	7	CA
ES4AA	7014	0445	2	MN
FK8GJ	7001	1330	22	IA
FM5WD	7015	1117	29	VA
FP5DX	7010	0516	20	FL
FY5YE	7005	0543	2	IL
LZ1KVZ *	7004	1510	1	ID
RL7AB	7006	0230	4	FL
SØ1A	7004	2254	29	MD
SV1AHV	7020	2349	7	FL
SV9AKI	7069	0017	1	NS
TA7M	7003	2243	3	FL
UAØXAO	7004	0535	5	OR
UA2FX	7006	0528	2	IL
UL8LXQ	7018	1439	3	CA
UMØMO	7002	0155	23	IA
UMØMO	7006	1135	20	IA
VK9LE	7005	1148	4	FL
XU1DK	7005	1540	5	OR
XW3UB	7010	1524	7	CA
YN1CC	7001	0542	1	CA
YO3KWF	7005	0410	1	MI
YU3PR/4U	7006	2332	7	FL
ZC4CZ	7004	2327	7	FL
ZS1AAX	7006	0335	28	GA

30 Meters

3B8CF	10107	0254	27	SC
4K1A	10104	2209	2	FL
4U1UN	10104	0130	28	PA
6W6JX	10101	2000	23	VA
FG5ED	10102	0122	27	VA
FH5EJ	10110	0305	27	SC
FP5DX	10102	2121	21	PA
HI8A	10103	2035	2	FL
KH2D	10101	1145	22	PA
LX2PA	10103	2203	2	VA
OA4ZV	10102	0134	2	FL
XT2BW	10101	2230	1	NS
YN/ SMØOIG	10103	2133	2	NY
	10106	2239	3	FL
ZP6XDW	10101	2249	6	FL
ZS6QU	10101	0430	3	CA

20 Meter CW

3B8DB	14015	0300	7	FL
3B8FK	14019	0225	2	CA
4K2BDU	14003	0223	3	FL
4K2BDU	14006	1801	3	NH
4K2OIL	14024	2100	1	MN
4K4QQ	14024	0323	8	FL
4L4F	14014	2355	5	OR
4S7CF	14004	0135	3	GA
4S7TP	14008	2353	5	OR
5NØSKO	14010	1744	3	NH
AP2HA *	14029	1253	22	TX
BY9GA	14015	0100	5	GA
FR5DD	14005	0245	4	FL
J28NU	14015	2125	2	GA
JT1AA	14027	0249	7	FL
JT1CS	14023	0040	26	VA
JT8AA	14015	0126	6	FL
JX7DFA	14028	2316	15	MN
P29AC	14003	1325	29	TX
RI8AI	14017	0259	7	FL
RL7GA	14038	0317	7	FL
U7NB	14020	0250	3	FL
UA6IGD	14032	1535	23	OR
UL7GDX	14011	0255	1	MI
UL7RDW	14027	0349	2	FL
UM8MY	14006	0302	8	FL
VU2ICY	14011	1845	28	CA
VU2NI	14012	0142	6	FL
VU2NK	14002	0150	4	OH
VU2NTA	14002	0203	3	FL
ZS9/W6KG	14020	1934	28	VA

20 Meter SSB

3B8CF	14270	0211	25	CT
4S7EA *	14198	0131	5	CA
9N1MM	14182	0116	22	MD
9Q5BG	14160	2343	23	CA
HFØPOL	14218	0313	3	CT
JT1BG	14194	0145	4	OH
JT7AA	14195	0250	5	OH
TJ1MR	14160	2305	23	CA
TL8WD	14160	2305	23	CA
TU2JL	14245	0507	17	CT
UAØOH	14182	0203	25	CA
UL7DA	14213	0245	2	CA
UM8TBE	14160	0342	28	CA
V51BG	14174	0314	24	CA
VU2WAP	14195	0206	3	CT

17 Meter CW

4K2BDU	18070	1832	21	OH
8R1J	18072	2023	21	OH
AH3C	18074	2217	6	CA
HI8A	18075	2040	2	FL
HP1XBH	18078	0015	3	FL
OX3FV	18074	1539	5	OH
OY3QN	18073	1249	8	FL
UAØKZ	18076	0033	6	FL
VK6RO	18070	2209	3	FL
VP2EXX	18070	2108	29	NH

17 Meter SSB

FP5DX	18120	2149	20	NY
UH8EA	18136	1321	30	NS
XT2BW	18140	2200	1	NS

15 Meter CW

3B8FQ	21008	1930	30	FL
3W4DX	21024	0345	6	CA
3W4VL	21009	0135	4	OH
4K2BDU	21007	2359	3	CA
4K4POL	21015	0140	4	OH
4U1UN	21028	2300	2	MN
A22GH	21008	2121	2	CT
BY4RB	21026	0014	27	TX
HI8A	21023	2245	3	TX
TR8JLD	21020	2235	30	NH
ZD8BOB	21005	2225	26	OH
ZD8LII	21006	2000	2	GA
ZS9/W6KG	21011	1920	2	GA
ZS9S	21011	2047	2	FL

15 Meter SSB

4K2PGO	21223	1757	2	OR
5N6ZHM	21288	2150	2	VA
5T5/ N5JRC	21315	2201	24	MD
6W1PZ	21271	2153	2	VA
D44BS	21295	2253	26	CT
T22KY	21306	0218	5	CA
TL8SC	21306	1913	3	NH
TZ6W	21271	2140	2	VA
VP2ML	21305	2222	23	CT

12 Meters

3D2ER	24903	2144	30	NY
3X1SG	24938	1325	27	NS
7X2VYK	24903	1350	26	MD
9J2WS	24940	1400	2	NS
FH5EJ	24900	1615	27	SC
FR5EL	24910	1355	8	FL
HH2Z	24955	1716	1	MA
HI8A	24898	1450	2	FL
HV3SJ	24950	1013	2	MA
OX3FV	24896	1815	24	CA
OY3QN	24900	1332	8	FL
TF3EJ	24898	1452	30	NS
TL8WD	28964	1342	27	NS
TU2QQ	24964	1612	30	NY
UF6VAI	24901	1324	8	FL
UH8EA	24969	1304	30	NS
UO5OLW	24892	1507	2	FL
XT2BW	24937	2223	1	NS
ZS6ACY	24940	1905	1	MA

10 Meter CW

3B8FQ	28008	1417	30	IN
3C1EA	28002	1333	1	MN
3D2WM	28018	2341	1	MI
7Q7RM	28001	1740	2	OH
A22GH	28019	1346	7	MN
BV2DA	28010	2346	2	MN
C31ND	28004	1530	2	CA
CEØFFD	28010	1743	3	FL
ES7GN	28017	1255	3	GA
FH5EJ	28019	1600	17	EU
HZ1HZ	28025	1322	19	MN
KG4DD	28026	1456	26	NY
TA3D	28010	1616	5	OH
TF3EJ	28017	1850	23	CT
UC2AB	28021	1446	2	IL
VU2BK	28047	1231	16	EU
YN/ SMØOIG	28016	2300	30	MI
Z24JS	28024	1430	27	NB
ZD8CUE	28009	1434	2	MN
ZD8CUE	28039	2000	27	IN

10 Meter SSB

3B8FU	28495	1241	27	ME
5N6ZHM	28466	1316	23	MN
5T5HH	28475	2149	1	FL
7P8DX	28555	1920	23	GA
7Q7RM	28506	1617	1	NH
7X5VVK	28491	1335	6	NJ
7Z1AB	28537	1450	16	EU
9J2FR	28514	1925	1	NH
A22AA	28482	1802	25	MN
A41KV	28610	1235	6	NJ
A45ZO	28341	1330	2	FL
A61AD	28477	1246	28	ME
A71CD	28570	1257	4	NY
A92BE	28446	1155	26	ME
AP2JZB	28370	1231	3	NH
C53GB	28485	1300	28	ME
CN2AQ	28479	1337	7	MN
FO4NR	28415	2355	28	ME
HKØHEU	28498	1330	6	MN
HV3SJ	28484	1320	1	FL
JD1/ JH1MAO Minami Torishima	28477	2216	30	NH
JD1AMA	28379	2320	2	FL
KH2D	28490	2320	20	MN
OD5QX	28530	1349	19	MN
OD5SK	28519	1520	1	MN
OY9JD	28489	1725	3	FL
SØ1A	28470	1047	16	EU
SV5TS	28523	1316	29	CT
T22KY	28467	2233	6	CA
TA3D	28499	1542	30	CA
TA5C	28490	1354	1	MN
TJ1MR	28450	1255	28	ME
TKØMG	28465	1646	1	NH
TL8FT	28450	1210	6	NJ
TU2CI	28569	1707	1	NH
UG6JJ	28547	1420	6	NJ
UI9BWF	28528	1230	22	MA
V51DM	28445	1445	2	CO
V51P	28522	1352	1	MN
VK9NS	28495	2243	27	CT
VQ9HW	28515	1625	16	EU
VR6BX	28490	1713	25	MA
VS6CT	28480	0135	2	CA
XU8DX	28472	0115	2	CA
YI1BGD	28529	1230	6	NJ
ZD8BOB	28456	2058	3	NY
ZS9/W6KG	28499	1350	4	NY

6 Meters

6W1QC	50110	1344	1	NS
C6A/KA3B	50110	1545	18	NS

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Calendar

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(Changes and hot info in **boldface**.)

Afghanistan - YA	YAØRR Dec. 23-Jan. 12	I566
Anguilla - VP2E	**VP2EY Dec. 8-Jan. 12 CW**	**I566**
Antarctica - CE9	Y88POL 14160 0000Z	I566
Ascension - ZD8	ZD8LII 21014/2245Z 28016/12Z	I566
Asiatic RSFSR	UAØFZ, FM, UV9YV 3504 1100Z	I566
	UAØXAF 14026 0320Z	I566
Barbados - 8P	**8P9EM to Jan. 1**	**I567**
Belize - V3	**V31JW/JV Dec. 18-23**	**I567**
	V31AW Dec. 26-Jan.1 CW	**I567**
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Cayman Is. - ZF	**ZF2PL/ZF8 Dec. 17-28**	**I564**
	ZF2NJ Jan. 19-Feb. 2 CW	**I567**
Chatham Island - ZL7	**ZLØAAD/ADN/7 Dec. 20-Jan. 10**	**I566**
China - BY	BY4RB 28024/01Z 21027/0000Z	I567
Djibouti - J2	J28NU 20M CW 04, 2000Z	I566
Dodecanese - SV5	**SV5TS 28525 1300Z**	**I567**
Easter Island - CEØ	**CEØFFD 28010 1800Z+**	**I567**
Equatorial Guinea	3C1EA 7001 2300, 0520Z	I567
Faroes - OY	**OY9JD 28490 1730Z**	**I567**
Franz Josef Land	4K2OIL 14023/21-01Z, 7002/0230Z	
	4K2BDU 14004 1800Z	I567
	4K2PGO 21230± 1800Z	I567
Glorioso - FR/G	**FR5ZU/G this month?**	**I567**
Grenada - J3	**J37XC Dec. 3-Mar. 31**	**I565**
Guam - KH2	KH2D 3507/11Z 24898 2220Z	I566
Guantanamo - KG4	**KG4DD 10M CW 1500Z**	**I567**
Iraq - YI	YI1BGD 28325± 1400Z	I565
Jan Mayen - JX	JX7DFA 28010/15Z 14028/2330Z	I566
Kampuchea - XU	XU8DX 28475 23-0100Z	I565
	XU8(?) Dec. 13-20	**I565**
Kirghizia - UM	UM8QDX 20M CW 0130Z	I565
	UMØMO 7007± 1130Z	I566
Kure Island - KH7	**KD7P/NH7 Dec. 12-21**	**I565**
Lebanon - OD	**OD5QX 28500± 1400Z**	**I567**
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Lord Howe Island	**VK9LE 7003 1200Z**	**I567**
Madagascar - 5R	**5R8GN Dec. 29-Jan. 5?**	**I567**
Malawi - 7Q	7Q7LA 14004/0345Z 10M CW/11Z	
Maldives - 8Q	8Q7BX Dec. 24-Jan. 5 CW	I566
Malyj Vysotskij - 4J	**in early 1991**	**I567**
Marianas - KHØ	**KHØF, KHØ/JA2SWJ Jan. 2-6**	**I567**
Marshall Islands - V7	V73AZ 1827 10-1100Z	I564
Mauritius - 3B	**3B8FK 14020± 0230Z**	**I567**
	3B8CF 14260 0200Z	**I567**
	3B8FQ 28010 1900Z	I566
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	FH5CB 14250± 0330Z	I566
Minami Torishima	**JD1/JH1MAO 28465± 22-2300Z**	**I567**
Mongolia - JT	**JT1BG 14192 0200Z**	**I567**
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Navassa - KP1	**W5IJU/KP1 late March**	**I567**
Nepal - 9N	9N1MM 14178 0050Z	I566
Nicaragua - YN	SMØOIG/YN 24895/14Z 14003/2230Z	
	YN1CC 40M CW 0620Z	I566
Norfolk Is. - VK9	**VK9NS 28495 2245Z**	**I567**
Nuie - ZK2	ZK2XA/XB in Jan.	I566
Qatar - A7	A71AD 28419 1315Z	I566
Pitcairn Is. - VR6	**VR6BX 10M SSB 17-2400Z**	**I567**
Qatar - A7	**A71CD 10M SSB 1300Z**	**I567**
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	FR5DD 20M CW 0140Z	I565
St. Pierre - FP	FP5DX 7010/03Z **10103/21Z**	I567
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San Felix - CEØ	**XQØX from Dec. 6 SSB only**	**I563**
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Senegal - 6W	6W6JX 28029/13Z 3504/0645Z	I566
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	by HA8XX, HA9RE in Jan.	I566
South Shetlands	HFØPOL **14218± 0300Z**	**I567**
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	4S7CF 14004 01-0200Z	I566
Suriname - PZ	PZ1DV 3508 0430Z	I566
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Turkey - TA	**TA5C 10M SSB 1400Z**	**I567**
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United Arab Emirates	A61AD 14190±/1245Z **28490± 12**	**I567**
Uzbekistan - UI	**UI9BWF 10M SSB 1230Z**	**I567**
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	ZS9/W6KG **14020/21015 1930Z**	**I567**
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	9Q5TE 14189 0500Z	I566
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Zone 18	**UA9UCO 3502 11-1500Z**	**I567**
Zone 29	**VK6LK 3797 2100Z**	**I567**